

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 15:42:11 ON 12 SEP 2005

=> FIL MEDLINE SCISEARCH EMBASE BIOSIS  
COST IN U.S. DOLLARS

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 15:42:28 ON 12 SEP 2005

FILE 'SCISEARCH' ENTERED AT 15:42:28 ON 12 SEP 2005  
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FILE 'BIOSIS' ENTERED AT 15:42:28 ON 12 SEP 2005  
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=> E KOEFOED P/AU

E1	1	KOEFOED NILS/AU
E2	7	KOEFOED O/AU
E3	53 -->	KOEFOED P/AU
E4	1	KOEFOED P B/AU
E5	1	KOEFOED PERNILE/AU
E6	14	KOEFOED PERNILLE/AU
E7	1	KOEFOED PETER/AU
E8	1	KOEFOED PIA B/AU
E9	13	KOEFOED S/AU
E10	3	KOEFOED SARAH/AU
E11	1	KOEFOED T P/AU
E12	1	KOEFOED THEIL P/AU

=> E E3 OR E7

E1	3	E2ZN2SOD/BI
E2	20583	E3/BI
E3	0 -->	E3 OR E7/BI
E4	2	E3.0/BI
E5	1	E3.10/BI
E6	1	E3.10.4K/BI
E7	1	E3.2.1.21/BI
E8	1	E3.29/BI
E9	5	E3.3/BI
E10	1	E3.39.214/BI
E11	2	E3.4/BI
E12	1	E3.49/BI

=> S E3 OR E7

L1 3 "E3 OR E7"/BI OR E3.2.1.21/BI

=> E KOEFOED P/AU

E1	1	KOEFOED NILS/AU
E2	7	KOEFOED O/AU
E3	53 -->	KOEFOED P/AU
E4	1	KOEFOED P B/AU
E5	1	KOEFOED PERNILE/AU
E6	14	KOEFOED PERNILLE/AU
E7	1	KOEFOED PETER/AU
E8	1	KOEFOED PIA B/AU

E9	13	KOEFOED S/AU
E10	3	KOEFOED SARAH/AU
E11	1	KOEFOED T P/AU
E12	1	KOEFOED THEIL P/AU

=> S E3 OR E7

L2	54	"KOEFOED P"/AU OR "KOEFOED PETER"/AU
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=> E NIELSEN K G/AU

E1	7	NIELSEN K E B/AU
E2	81	NIELSEN K F/AU
E3	169	--> NIELSEN K G/AU
E4	225	NIELSEN K H/AU
E5	3	NIELSEN K I/AU
E6	76	NIELSEN K J/AU
E7	354	NIELSEN K K/AU
E8	1	NIELSEN K KLITGAARD/AU
E9	5	NIELSEN K KRAMER/AU
E10	70	NIELSEN K L/AU
E11	1	NIELSEN K L D/AU
E12	142	NIELSEN K M/AU

=> MORE

E13	1	NIELSEN K M E/AU
E14	10	NIELSEN K N/AU
E15	1	NIELSEN K N A T/AU
E16	80	NIELSEN K O/AU
E17	5	NIELSEN K P/AU
E18	73	NIELSEN K R/AU
E19	14	NIELSEN K R K/AU
E20	53	NIELSEN K S/AU
E21	3	NIELSEN K S S/AU
E22	1	NIELSEN K STERN/AU
E23	134	NIELSEN K T/AU
E24	64	NIELSEN K V/AU

=> MORE

E25	17	NIELSEN K W/AU
E26	1	NIELSEN KAARE/AU
E27	22	NIELSEN KAARE M/AU
E28	3	NIELSEN KAHN JENNIFER/AU
E29	1	NIELSEN KAI/AU
E30	11	NIELSEN KAI L/AU
E31	1	NIELSEN KAI LONNE/AU
E32	1	NIELSEN KAJ G/AU
E33	2	NIELSEN KAMILLA GERHARD/AU
E34	5	NIELSEN KARE L/AU
E35	7	NIELSEN KARE LEHMANN/AU
E36	1	NIELSEN KARE M/AU

=> MORE

E37	1	NIELSEN KARE MAGNE/AU
E38	8	NIELSEN KAREN/AU
E39	1	NIELSEN KAREN BRONDUM/AU
E40	49	NIELSEN KAREN C/AU
E41	1	NIELSEN KAREN DORTHE BACH/AU
E42	5	NIELSEN KAREN M/AU
E43	3	NIELSEN KAREN R/AU
E44	41	NIELSEN KARIN/AU
E45	3	NIELSEN KARIN A/AU

E46	3	NIELSEN KARIN E/AU
E47	1	NIELSEN KARIN I/AU
E48	8	NIELSEN KARIN K/AU

=> MORE

E49	12	NIELSEN KARIN KRAMER/AU
E50	4	NIELSEN KARIN SANDAGER/AU
E51	5	NIELSEN KARINA/AU
E52	13	NIELSEN KARINA J/AU
E53	4	NIELSEN KARINA L/AU
E54	2	NIELSEN KARINA LISHMANN/AU
E55	1	NIELSEN KARL/AU
E56	21	NIELSEN KARSTEN/AU
E57	1	NIELSEN KASPER HOJBY/AU
E58	1	NIELSEN KASPER KOLLERUP/AU
E59	1	NIELSEN KASPER SAXTRUP/AU
E60	1	NIELSEN KATARINA/AU

=> MORE

E61	2	NIELSEN KATE/AU
E62	1	NIELSEN KATE RUNGE/AU
E63	3	NIELSEN KATHERINE/AU
E64	18	NIELSEN KATHERINE J/AU
E65	2	NIELSEN KATHERINE M/AU
E66	1	NIELSEN KATHLEEN/AU
E67	1	NIELSEN KATHLEEN L/AU
E68	1	NIELSEN KATHRINE E/AU
E69	1	NIELSEN KATHY/AU
E70	3	NIELSEN KATJA/AU
E71	7	NIELSEN KATRINE E/AU
E72	1	NIELSEN KATRINE M ELLEMANN/AU

=> MORE

E73	1	NIELSEN KATRINE O/AU
E74	1	NIELSEN KELD/AU
E75	2	NIELSEN KELD D/AU
E76	1	NIELSEN KELD DAUBJERG/AU
E77	1	NIELSEN KELD HAUGE/AU
E78	1	NIELSEN KELLY/AU
E79	1	NIELSEN KELLY A/AU
E80	1	NIELSEN KENNETH A/AU
E81	1	NIELSEN KENNETH R/AU
E82	1	NIELSEN KENNETH R K/AU
E83	4	NIELSEN KENT/AU
E84	6	NIELSEN KENT A/AU

=> MORE

E85	3	NIELSEN KENT E/AU
E86	1	NIELSEN KENT H/AU
E87	2	NIELSEN KENT HOIER/AU
E88	1	NIELSEN KENT JACOB/AU
E89	6	NIELSEN KIM/AU
E90	4	NIELSEN KIM D/AU
E91	1	NIELSEN KIM DEMSTRUP/AU
E92	11	NIELSEN KIM DREMSTRUP/AU
E93	12	NIELSEN KIM G/AU
E94	3	NIELSEN KIM GJERUM/AU
E95	1	NIELSEN KIM R/AU
E96	1	NIELSEN KIM T/AU

=> MORE

E97	1	NIELSEN KIMBERLY/AU
E98	23	NIELSEN KIRSTEN/AU
E99	7	NIELSEN KIRSTEN A/AU
E100	5	NIELSEN KIRSTEN ANNETTE/AU
E101	1	NIELSEN KIRSTEN LYKKE/AU
E102	2	NIELSEN KIRSTEN M/AU
E103	2	NIELSEN KIRSTEN NYHOLM/AU
E104	1	NIELSEN KIRSTEN SHIN/AU
E105	3	NIELSEN KIRSTEN V/AU
E106	12	NIELSEN KIRSTEN VANG/AU
E107	3	NIELSEN KIRSTINE KLITGAARD/AU
E108	1	NIELSEN KISSMEYER/AU

=> MORE

E109	2	NIELSEN KIT BJERREGAARD/AU
E110	23	NIELSEN KLAUS/AU
E111	2	NIELSEN KLAUS B/AU
E112	1	NIELSEN KLAUS DAMKJAER/AU
E113	21	NIELSEN KLAUS H/AU
E114	1	NIELSEN KLAUS HVID/AU
E115	17	NIELSEN KLAUS K/AU
E116	6	NIELSEN KLAUS KRISTIAN/AU
E117	1	NIELSEN KLAUS HJORT/AU
E118	2	NIELSEN KNUD/AU
E119	4	NIELSEN KNUD ERIK/AU
E120	1	NIELSEN KNUD H/AU

=> S E3 OR E110

L3 192 "NIELSEN K G"/AU OR "NIELSEN KLAUS"/AU

=> D HIS

(FILE 'HOME' ENTERED AT 15:42:11 ON 12 SEP 2005)

FILE 'MEDLINE, SCISEARCH, EMBASE, BIOSIS' ENTERED AT 15:42:28 ON 12 SEP 2005

		E KOEFOED P/AU
		E E3 OR E7
L1	3	S E3 OR E7
		E KOEFOED P/AU
L2	54	S E3 OR E7
		E NIELSEN K G/AU
L3	192	S E3 OR E110

=> S L2 OR L3

L4 246 L2 OR L3

=> S (T-CELL (W) EPITOPE) AND (B-CELL (W) EPITOPE)

L5 1455 (T-CELL (W) EPITOPE) AND (B-CELL (W) EPITOPE)

=> S L5 AND VACCINE

L6 716 L5 AND VACCINE

=> S CARRIER (P) (POLYMER OR ACETAN OR AMYLOPECTIN OR AGAROSE OR ALGINATES OR CELLULOSE OR DEXTRAN OR FURCELLARAN OR GALACTOMANNAN OR GELATIN OR PEI OR PMMA OR PTFE OR PLA OR PGA OR PLGA)

L7 13818 CARRIER (P) (POLYMER OR ACETAN OR AMYLOPECTIN OR AGAROSE OR ALGINATES OR CELLULOSE OR DEXTRAN OR FURCELLARAN OR GALACTOMANNAN OR GELATIN OR PEI OR PMMA OR PTFE OR PLA OR PGA OR PLGA)

=> S L6 AND L7

L8 2 L6 AND L7

=> DUP REM L8

PROCESSING COMPLETED FOR L8

L9 1 DUP REM L8 (1 DUPLICATE REMOVED)

=> D L9 1 BIB AB

L9 ANSWER 1 OF 1 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on  
STN DUPLICATE 1

AN 1995:436769 SCISEARCH Full-text

GA The Genuine Article (R) Number: RE842

TI MUCOSAL IMMUNOGENICITY OF POLYSACCHARIDES CONJUGATED TO A PEPTIDE OR  
MULTIPLE-ANTIGEN PEPTIDE-CONTAINING T-CELL AND **B-CELL**  
**EPITOPES**

AU LETT E (Reprint); KLOPFENSTEIN C; KLEIN J P; SCHOLLER M; WACHSMANN D

CS FAC PHARM ILLKIRCH, INSERM, U392, F-67401 ILLKIRCH GRAFFENS, FRANCE

CYA FRANCE

SO INFECTION AND IMMUNITY, (JUL 1995) Vol. 63, No. 7, pp. 2645-2651.  
ISSN: 0019-9567.

PB AMER SOC MICROBIOLOGY, 1325 MASSACHUSETTS AVENUE, NW, WASHINGTON, DC  
20005-4171.

DT Article; Journal

FS LIFE

LA English

REC Reference Count: 29

ED Entered STN: 1995

Last Updated on STN: 1995

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

AB In this study we investigated the mucosal and systemic responses to two T-cell-independent polysaccharides, a serogroup f polysaccharide (formed of rhamnose glucose **polymers** [RGPs]) from Streptococcus mutans OMZ 175 and a mannan from Saccharomyces cerevisiae, covalently conjugated either to a linear peptide (peptide 3) or to a multiple-antigen peptide (MAP), both derived from S. mutans protein SR, an adhesin of the I/II protein antigen family of oral streptococci, Peptide:3 and MAP, which contained at least one B- and one **T-cell epitope**, were tested as **carriers** for the polysaccharides and as protective immunogens. Intragastric intubation of rats with the conjugates (RGPs-peptide 3, RGPs-MAP, mannan-peptide 3, and mannan-MAP) associated with liposomes produced salivary immunoglobulin A (IgA) antibodies which reacted with RGPs or mannan, peptide 3 or MAP, protein SR, and S. mutans or S. cerevisiae cells, Administration of conjugate boosters to the animals showed that both **carriers** conjugated to the polysaccharides were able to induce, in immunized animals, a salivary antipolysaccharide IgA memory, In contrast, animals primed and challenged with unconjugated polysaccharide showed no anamnestic response, Rats orally immunized with the conjugates also developed systemic primary antipolysaccharide and antipeptide IgM antibody responses which were characterized by a switch from IgM to IgG during the course of the secondary response, Data presented here demonstrated that both peptide 3 and the MAP construct can get as good **carriers** for orally administered polysaccharides. Unexpectedly, the use of a MAP did not further improve the immunogenicity of polysaccharides at the mucosal level; nevertheless, such a construct should be of great interest in overcoming the problem of genetic restriction induced by linear peptides.

=> D HIS

(FILE 'HOME' ENTERED AT 15:42:11 ON 12 SEP 2005)

FILE 'MEDLINE, SCISEARCH, EMBASE, BIOSIS' ENTERED AT 15:42:28 ON 12 SEP 2005

```

          E KOEFOED P/AU
          E E3 OR E7
L1         3 S E3 OR E7
          E KOEFOED P/AU
L2         54 S E3 OR E7
          E NIELSEN K G/AU
L3         192 S E3 OR E110
L4         246 S L2 OR L3
L5         1455 S (T-CELL (W) EPITOPE) AND (B-CELL (W) EPITOPE)
L6         716 S L5 AND VACCINE
L7         13818 S CARRIER (P) (POLYMER OR ACETAN OR AMYLOPECTIN OR AGAROSE OR A
L8         2 S L6 AND L7
L9         1 DUP REM L8 (1 DUPLICATE REMOVED)
```

=> S L5 AND L7

L10 4 L5 AND L7

=> DUP REM L10

PROCESSING COMPLETED FOR L10

L11 1 DUP REM L10 (3 DUPLICATES REMOVED)

=> S L4 OR L11

L12 247 L4 OR L11

=> DUP REM L12

PROCESSING COMPLETED FOR L12

L13 113 DUP REM L12 (134 DUPLICATES REMOVED)

=> D L13 1-113 TI

=> DIS HIST

(FILE 'HOME' ENTERED AT 15:42:11 ON 12 SEP 2005)

FILE 'MEDLINE, SCISEARCH, EMBASE, BIOSIS' ENTERED AT 15:42:28 ON 12 SEP 2005

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          E KOEFOED P/AU
          E E3 OR E7
L1         3 S E3 OR E7
          E KOEFOED P/AU
L2         54 S E3 OR E7
          E NIELSEN K G/AU
L3         192 S E3 OR E110
L4         246 S L2 OR L3
L5         1455 S (T-CELL (W) EPITOPE) AND (B-CELL (W) EPITOPE)
L6         716 S L5 AND VACCINE
L7         13818 S CARRIER (P) (POLYMER OR ACETAN OR AMYLOPECTIN OR AGAROSE OR A
L8         2 S L6 AND L7
L9         1 DUP REM L8 (1 DUPLICATE REMOVED)
L10        4 S L5 AND L7
```

L11 1 DUP REM L10 (3 DUPLICATES REMOVED)  
L12 247 S L4 OR L11  
L13 113 DUP REM L12 (134 DUPLICATES REMOVED)

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

STN INTERNATIONAL LOGOFF AT 15:49:36 ON 12 SEP 2005

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	241	(t-cell adj epitope) and (b-cell adj epitope)	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2005/09/12 15:21
L3	218	I2 and vaccine	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2005/09/12 15:21
L4	192	I3 and carrier	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2005/09/12 15:21
L5	95	I4 and polymer	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2005/09/12 15:25
L7	122261	carrier same (polymer or acetan or amylopectin or agarose or alginates or cellulose or dextran or furcellaran or galactomannan or gelatin or PEI OR PMMA OR PTFE OR PLA OR PGA OR PLGA)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/12 15:29
L8	92	L3 AND L7	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/12 15:28
L9	24	(NIELSEN-KLAUS-G\$ OR NIELSEN-K\$-G\$).IN.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/12 15:30
L10	8	(KOEFOED-PETER OR KOEFOED-P\$).IN.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/12 15:30
L11	24	L9 OR L10	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/12 15:30
L12	109	L8 OR L11	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/12 15:30 